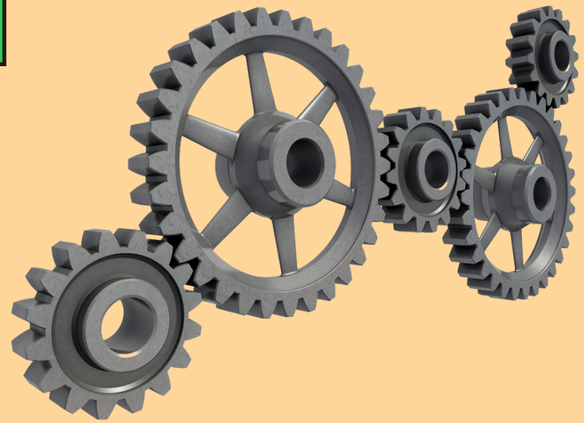
Design and Technology Knowledge Map

Gears and Pulleys

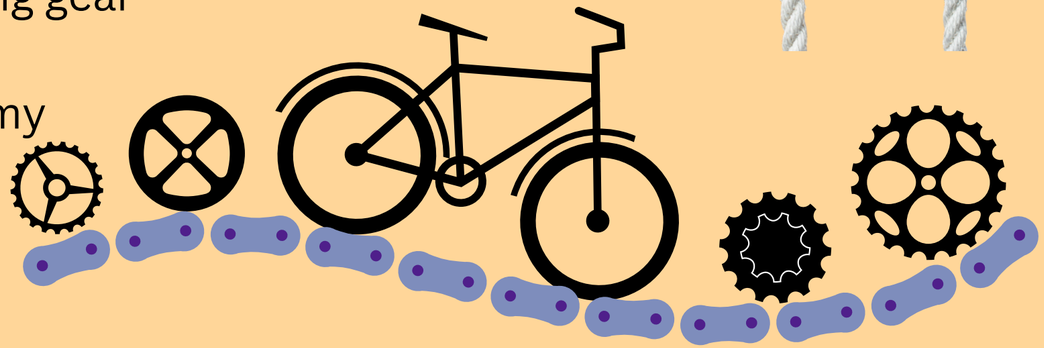
How does a bicycle use gears and pulleys to move?

The skills I need:

- Investigating how gear systems and pulley systems work
- Designing and creating gear and pulley systems
- Testing and refining my ideas







Force	A push, pull or twist.
Gear	A wheel with teeth.
Gear System	Gears that fit together to change the speed, direction or force of motion.
Teeth	Small bumps around the edge of a gear that fit into another gear.
Pulley	A wheel with a groove and a rope or belt that fits into the groove.
Pulley system	One or more pulleys used to reduce the effort needed to lift or move an object.